

Reteaching 1-5

Understanding Decimals

Ones	Tenths	Hundredths	Thousandths
2	3	6	9

2 and 369 thousandths

- *Standard form:* 2.369
- To find the value of a digit, multiply the digit by its place value.
9 stands for 9×0.001 or 0.009.
- *Expanded form:*
 $2.369 = 2 + 0.3 + 0.06 + 0.009$
- To round to the nearest tenth, look at the value to the right (hundredths).
 $2.\underline{3}69 \leftarrow$ because $6 \geq 5$, round up.
2.4

Write each decimal in words.

1. 0.2

2. 0.15

3. 0.29

4. 0.11

5. 0.60

6. 0.9

Write each decimal in standard form.

7. seven tenths

8. one tenth

9. four hundredths

10. seven hundredths

11. twenty-two hundredths

12. forty-six hundredths

Write each decimal in expanded form.

13. 3.6

14. 4.72

15. 1.283

16. 21.5

Round each decimal to the underlined place.

17. 78.632

18. 9.1746

Find the value of the digit 6 in each number.

19. 10.3678

20. 145.620

Puzzle 1-5**Understanding Decimals***Making the Rounds*

The following numbers round to the same number. In the blank, write the number to which they round.

1. 4.65

4.74

2. 3.45

3.54

3. 15.945

15.954

The following numbers are rounded to the nearest **tenth**.
Write lesser and greater numbers that would round to the given number.

4. _____

0.8

5. _____

0.1

6. _____

13.2

The following numbers are rounded to the nearest **hundredth**.
Write lesser and greater numbers that would round to the given number.

7. _____

6.17

8. _____

0.34

9. _____

17.06

The following numbers are rounded to the nearest **thousandth**.
Write lesser and greater numbers that would round to the given number.

10. _____

45.018

11. _____

9.001

12. _____

0.035
